

Analyte	MCLG (µg/L)	MCL (µg/L)	HMDW-010-02A
SampleType			HMDW-010
Matrix			Groundwater
Metals (ug/L)			
Aluminum			20.0 U
Antimony		6	0.050 U
Arsenic*	0	10	20.5
Barium	2000	2000	7.1 J
Beryllium	4	4	0.5 U
Cadmium	5	5	0.050 U
Calcium			10300
Chromium	100	100	1.0 U
Cobalt			1.0 U
Copper	1300	1300	1.0 U
Iron			4940
Lead	zero	15	0.086 J
Magnesium			4430 J
Manganese			126
Mercury	2	2	0.2 U
Nickel			2.0 U
Potassium			1430 J
Selenium	50	50	0.200 U
Silver			1.0 U
Sodium			1200 J
Thallium*	0.5	2	0.050 U
Zinc			139
Vanadium			0.772 J

Note:

MCL -	Maximum Contaminant Level as listed by U.S. EPA under the National Primary Drinking Water Regulations
MCLG -	Maximum Contaminant Level Goal as listed by U.S. EPA under the National Primary Drinking Water Regulations
mg/L	milligrams per liter
µg/L -	micrograms per liter
HMDW -	Residential well sample identification number (Humbolt Mill Drinking Water)
02A	Sample Identification with suffix 02A represent unfiltered samples
U	The analyte was not detected above the method detection limit (MDL). This table lists MDL values for all U flagged analytes
J	The analyte was positively identified; the numerical value is an approximate concentration of the analyte in the sample
M -	A matrix effect was present
* -	Updated values for arsenic and thallium obtained from "Basic Information about Regulated Drinking Water Contaminants and Indicators" http://water.epa.gov/drink/contaminants/basicinformation/

ANALYTICAL REPORT



ECOLOGICAL CONSULTING AND
ENVIRONMENTAL LABORATORY SERVICES

WHITE WATER ASSOCIATES, INC.

Client: OTIE

WWA Job #: 39625

Project: Humboldt Mill

Sample Matrix: Water

Date Received: 3/22/2012

Date Reported: 4/11/2012

Sample Results

Sample No. / ID / Description	Result	Flags	Units	Date	Method	MDL	ML
39625-009 / HMDW-010-02A							
General Chemistry Parameters							
Chloride	6 J		mg/L	3/26/2012	325.2	3	10
Fluoride	0.048 J		mg/L	4/6/2012	300.0	0.006	0.050
Hardness	43		mg/L	4/4/2012	2340B	0.3	1.3
Nitrate-N	ND		mg/L	3/27/2012	4500F	0.10	0.20
Nitrite-N	ND		mg/L	3/23/2012	353.2	0.01	0.02
Sulfate	19		mg/L	3/27/2012	375.4	3.0	6.0
Trace Metals - Dissolved							
Sodium (d)	1.1		mg/L	4/4/2012	SM3120B	0.15	0.30

ND = Not Detected, MDL = Method Detection Limit, ML = Method Quantitation Limit,
ppm = mg/l (liquid) or mg/kg (solid), ppb = ug/l (liquid) or ug/kg (solid)

Page 5 of 6